

**What is claimed is:**

1. A method of handover in a multimode mobile telecommunication network in which, to initiate a handover, the network sends to a mobile terminal a first group of system information via a first channel associated with circuit switching services and a second group of system information via a second channel associated with packet switching services, comprising the steps of:
  - a) performing measurements at least in one neighboring cell on a basis of information contained in the second group of system information,
  - b) sending to the network the measurements performed in step a), and
  - c) initiating the procedure of handover according to the measurements performed in step a).
2. The method according to claim 1, wherein the measurements are performed in a neighboring cell of circuit switching (CS) type.
3. The method according to claim 2, wherein the telecommunication network is a GSM/GPRS network, and wherein the first channel is a BCCH channel and the second channel is a PBCCH channel.
4. The method according to claim 2, wherein the telecommunication network is a UMTS network.
5. A mobile terminal used in a multimode mobile telecommunication network, the mobile terminal performing measurements for preparing for a

- handover in the network, the measurements depending either on a first group of system information sent by the network to the mobile terminal via a circuit switching channel or on a second group of system information sent by the network to the mobile terminal via a packet switching channel, the mobile terminal comprising:
- 5 means for performing measurements at least in one neighboring cell on a basis of information contained in the second group of system information,
  - 10 means for sending to the network the measurements performed, and means for initiating the procedure of handover according to the measurements performed.